

Title (en)
Electromagnet

Title (de)
Elektromagnet

Title (fr)
Electro aimant

Publication
EP 0482398 B1 19960417 (DE)

Application
EP 91116896 A 19911004

Priority
DE 9014763 U 19901025

Abstract (en)
[origin: EP0482398A2] The electromagnet is used for operating a valve. The armature interacts with two damping elements. The one damping element is formed by the valve plate, which is of elastically flexible construction, and damps the armature movement during the closing movement of the valve. The other damping element interacts with an annular collar on the armature and limits the armature movement when current is applied to the coil. The annular collar surrounds the valve plate.

IPC 1-7
H01F 7/08

IPC 8 full level
F16K 31/06 (2006.01); **H01F 7/08** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)
F16K 31/0696 (2013.01); **H01F 7/1607** (2013.01)

Cited by
CN109065340A; DE10016600A1; FR2709799A1; US5645325A; US6776391B1; US6951330B2; WO03054428A1; WO9508460A1

Designated contracting state (EPC)
BE CH DE IT LI SE

DOCDB simple family (publication)
DE 9014763 U1 19910110; DE 59107682 D1 19960523; EP 0482398 A2 19920429; EP 0482398 A3 19930113; EP 0482398 B1 19960417; JP 3107874 B2 20001113; JP H05129131 A 19930525

DOCDB simple family (application)
DE 9014763 U 19901025; DE 59107682 T 19911004; EP 91116896 A 19911004; JP 27820791 A 19911025